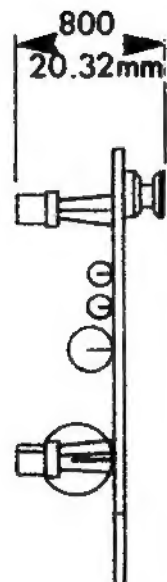
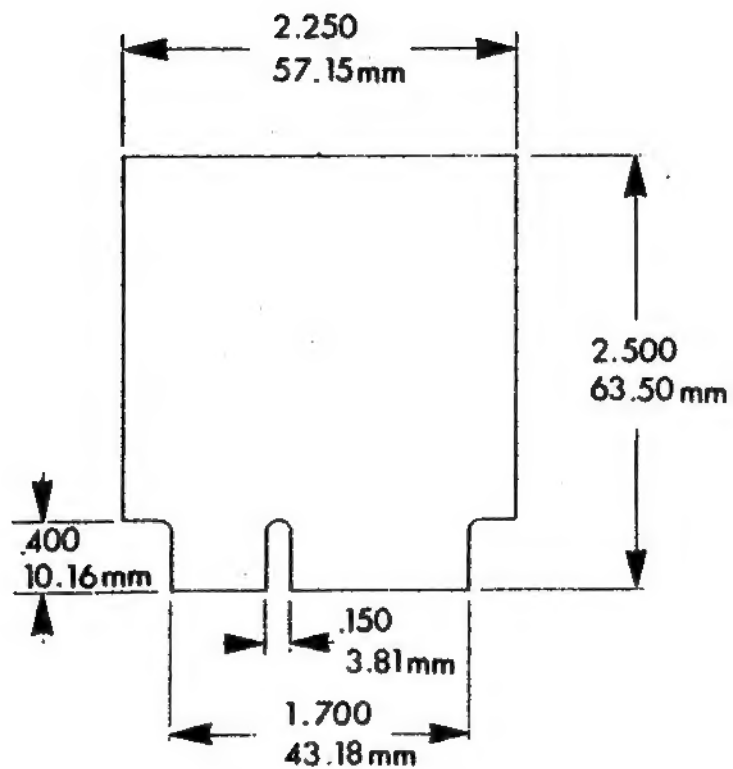


THE AM4301 PRE-AMPLIFIER IS PRIMARILY INTENDED FOR USE AS A MICROPHONE PRE-AMPLIFIER IN THE 4000 SERIES SYSTEM. IT MAY BE USED AS AN INDIVIDUAL MODULE IN OTHER ASSEMBLIES IF THE INPUT AND OUTPUT PARAMETERS SERVE THE REQUIRED PURPOSE.

The AM4301 Pre-Amplifier is designed for high impedance microphone pre-amplification into a system load of 100K ohms or more. It is constructed on a plug-in printed circuit card and does not contain controls or adjustments.

#### ELECTRICAL SPECIFICATIONS

SOURCE IMPEDANCE:	100K ohms nominal						
GAIN:	33 dbm causes 250 mv/100K ohms out Change of feedback resistor changes gain: <table> <tr> <td>22K ohms</td><td>+ 3 dbm</td></tr> <tr> <td>51K ohms</td><td>+ 6 dbm</td></tr> <tr> <td>91K ohms</td><td>+ 9 dbm</td></tr> </table>	22K ohms	+ 3 dbm	51K ohms	+ 6 dbm	91K ohms	+ 9 dbm
22K ohms	+ 3 dbm						
51K ohms	+ 6 dbm						
91K ohms	+ 9 dbm						
FREQUENCY RESPONSE:	$\pm 1$ db 30 hz to 15 KHz						
LOAD IMPEDANCE:	100K ohms nominal						
OUTPUT MAX:	5 volts RMS/100K ohms						
HARMONIC GENERATION:	Less than .2% at 1 KHz						
NOISE:	70 microvolts						
POWER REQUIREMENTS:	42 volts dc/750 mA						
SIZE:	2-1/4" wide X 2-1/2" long						
MATING CONNECTOR:	Cinch 252-10-30-24D						
MOUNTING:	The 4301 type amplifier may be mounted in TRY-4000.						



4300 . 4500 & 4700  
SERIES

